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# JOURNAL OF NUCLEAR MATERIALS



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- Fission reactor materials, including fuels, cladding, core structures, pressure vessels, moderator and control components; fission product behavior.
- Materials aspects of the fabrication and reprocessing of fuels.
- Performance of nuclear waste materials, glasses and ceramics, immobilization of wastes.
- Fusion reactor materials, including first walls, blankets, insulators, and magnets.
- Neutron radiation effects in materials, including defects, microstructures, transmutations, phase changes, and macroscopic properties.
- Interactions of plasmas, ion beams, electron beams and electromagnetic radiation with materials.


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*Cover picture:* Overview of a sample from deposit 8 showing finer uranium crystals (15 ×). Part of Fig. 5 from the paper by T.C. Totemeier and R.D. Moriani, J. Nucl. Mater 250 (1997) 131–146.

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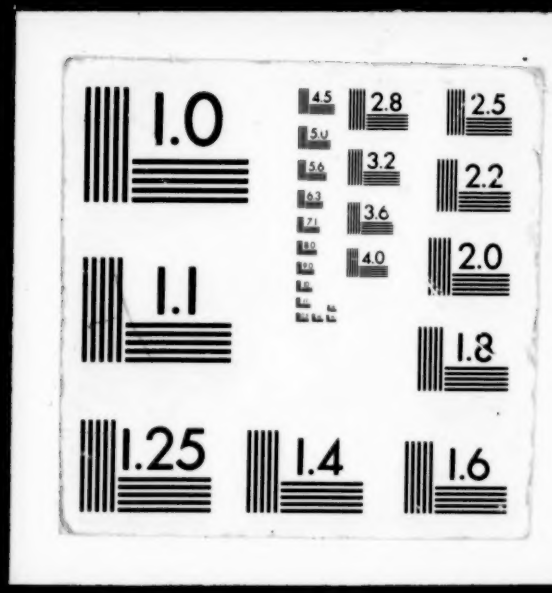
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